

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

| | |
|------------------------|------------------|
| Application Number | 10/672,221 |
| Filing Date | 9/26/2003 |
| First Named Inventor | Frank E. Towsley |
| Art Unit | 1724 |
| Examiner Name | Greene |
| Attorney Docket Number | MSH-00262 |

Sheet 1 of 2

U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
| | | Number-Kind Code ² (if known) | | | |
| JMS | | US- 4515758 | 05/1985 | Domesle et al | Fig 2 |
| | | US- 5709722 | 01/1998 | Nagai et al | Col 2, L-30-67 |
| | | US- 6572682 | 06/2003 | Peter et al | All |
| | | US- 4053371 | 10/1977 | Towsley | All |
| | | US- 4121992 | 10/1977 | Towsley | All |
| | | US- 4965101 | 10/1990 | Frei et al | Fig 3 |
| | | US- 4588707 | 05/1986 | Domesle et al | Abstract |
| | | US- 5582002 | 12/1996 | Paltas | Background |
| | | US- 5067319 | 11/1991 | Moser | Background |
| | | US- 4929581 | 05/1990 | Steinwandel et al | Background |
| | | US- 4759918 | 07/1988 | Homsier et al | Background |
| | | US- 4477417 | 10/1984 | Domesle et al | Background |
| | | US- 5682740 | 11/1997 | Kawamura | Figs |
| | | US- 5098455 | 03/1992 | Doty et al | Figs |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |
| | | US- | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | 1* |
|--------------------|-----------------------|---|--------------------------------|--|---|----|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| | | | |
|--------------------|---------------------------|-----------------|---------|
| Examiner Signature | <i>Jan M. [Signature]</i> | Date Considered | 7/22/05 |
|--------------------|---------------------------|-----------------|---------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

Compl to If Kn wn

Application Number

10/672,221

Filing Date

9/26/2003

First Named Inventor

Frank E. Towsley

Art Unit

1724

Examiner Name

Greene

Attorney Docket Number

MSH-00262

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| Jms | | Heck & Farrauto; Catalytic Air Pollution Control-Commercial Technology; 2nd Edition Chapter 8 & 9; 2002; WILEY | |
| | | ASHBY, EVANS, FLECK, GIBSON, HUTCHINSON & WADLEY; Metal Foams: A Design Guide; Chapters 1 & 2 2000; SAE | |
| | | US Dept of Defense; Environmental Security Technology Certification Program; Cost and Performance Report CP-9906; Reduction of Diesel Engine | |
| Jms | | Particulate Emissions Using A Self-Regenerating Soot Filter; May 2003 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|--------------------|----------------------|-----------------|---------|
| Examiner Signature | <i>Jan M. Greene</i> | Date Considered | 7/22/05 |
|--------------------|----------------------|-----------------|---------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.